

## Product datasheet for **MR219124**

### Zbtb3 (NM\_001098237) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb3 (NM_001098237) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb3
Synonyms:	4930563M09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219124 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTTC**CCAGAACACAGTCAGCAGCTGCTTCAGAGCCTGCGGGAGCAACGGTCCAGGGTTTCCTTT**  
 GTGACTGCACTGTGATGGTTGGTAGTACCCAGTCTTGGCCATCGGGCTGTGCTGGCCTCTGCAGCCC  
 ATTCTTT**CAGCTTTTCTACAAGGAGCGGAATTGGACAAGAGGGACCTGGTGTGATTACAATGAGATT**  
 GTCACGGCCCCAGCCTTTGGTTGCTTTTGGACTTTATGTATGCTGGCCAGCTGGCCCTTAGGGGAGATA  
 CTCCTCTAGAAGATGTGCTGGCAGCTGCCAGCTACTTGCACATGAATGACATTGTTAAGGTTTGAAGCA  
 ACGATTGCAGGCCGAGCTCTGGCAGAGGCAGACAGTACCAAGAAGGAAGAGGAAACCAATCCTGCTAGT  
 CTGGAGTTTTTGT**CAGGCAGTTCTCGAGGCCACAGCCTTACTGGCATCTGTTGAACCGTCAGCCCGCT**  
 GGAACAAAGAGGAATGGAAGGGTCCAGCCACTCCCTTACCCATTGCTCATCTGCAGATGAGCCACCAGT  
 ATCTGGGGGGGCAGACACTACACAACCAAGCATGGAAGTTGACTCATCACATCTTCGGGCACCTCCTCCA  
 CCAGTGGCTGATGCTCCGTCTCTTGGCAGCCCAAGTAGCTCTACAGAGACCATTCTGTAAACTACT  
 TCTCTTCTGGCCTTCCAGGAGTTTCGGTGGAGCCCTTGACTCCTCTTGATGTGGTTCCTGAGAGTCTGAG  
 GGTGGTGAACCAAGGGATACTGGAGGACCATTGCAAGGCTTCTATCCCCAGCTCCAGCCCCACCCCA  
 GCGCCAGCCCCAGTTCTATCCCAGGCTCCAGCCCCAGTTGAAGCTGAACTGGTCCAGGTAAGTAGAAG  
 CTATTGTGATCTCTGATGAGGAGGCTGACTTGT**CAGAGGAACAGCCCCACAGATCTGAAGGGCTGTTCC**  
 ACCTGGAGGAGCAGTGTATGGGGACAGCCCTCACAGGCAGAGGCTTTT**GAGGAGCCAGGGGCAACAGGA**  
 CTAGAGGAGGTGGGGCAAGTGACCCTTCCCTCCCGAATCTCATCTACCATACCATCTGCTGCCAG  
 GTCCAGGCAGTATCATCGAGGGCTGGTAACTCACCCCTGCCTGCACCAGCAGCCCTGCATGACCCTCT  
 CTACCCTCCTCCTGAGTATGAAGCAGCCCAAGGGAGCTTTGGAAATTTTACAGAGGATGTTCCACCTGC  
 AAGACTTGTGAAAGACCTTCTCATGTTCTTATACACTAAGGCGACATGCCACAGTGCACACACGTGAGC  
 GGCCCTATGAGTGCCGCTATTGCCTACGAAGCTACACACAGT**CAGGGACCTCTACCGCCACATCCGCAA**  
 GGCTCACAATGAGGACCTGGCCAAACGCAGCAAACAGATCCAGAGGCTAGCACCATTCTAGGGGTGCAG  
 CCCCTCTCTGGCTCCCAAACGACAGAGACATAGCAGTGGTGGTGGAGGTCCACCCAAAGATTTGCAC  
 TTGGTCTAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219124 protein sequence  
 Red=Cloning site Green=Tags(s)

MEFPEHSQQLQSLREQRSQGFCDCTVMVGSTQFLAHRVAVLASCSPFFQLFYKERELDKRDLVCIHNEI  
 VTAPAFGLLLDFMYAGQLALRGDTPLEDVLAASYLHMNDIVKVCKQRLQARALAEADSTKKEEETNPAS  
 LEFLSGSSRGPQPLLASVEPSARWNKEEWKGPATPLPIAHPAEPVSGGADTTQPSMEVDSSHLRAPP  
 PVADVSVSLASPSSTETIPVNYFSSGLPGVSVEPLTPLDVVPELRRVVEPRDTGGPLQGFYPPAPAPP  
 APAPVLSQAPAPVEAELVQVKVEAIVISDEEADLSEEQPHRSEGLFPPGGAVYGGQPSQAEAFEEPATG  
 LEEVGPSDFLPPESHLPYHLLPGPGQYHRGLVTSPLPAPAALHEPLYPPPEYAAQGSFNGFTEDVPTC  
 KTCGKTFSCSYTLRRHATVHTRERPYECRYCLRSYTSQSGDLYRHIRKAHNEDLAKRSKPDPEASTILGVQ  
 PLSGSQTTERHSSGGGGPPKEFALGPKN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001098237

**ORF Size:** 1557 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001098237.2](#)

**RefSeq Size:** 2037 bp

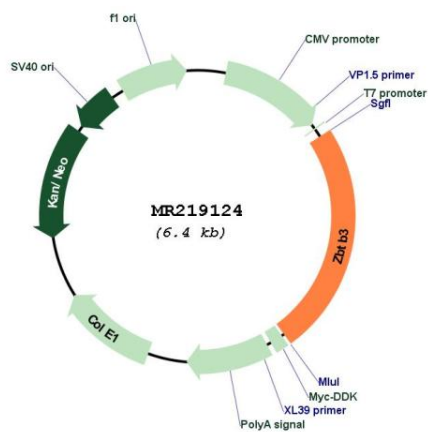
**RefSeq ORF:** 1557 bp

**Locus ID:** 75291

**UniProt ID:** [Q91X45](#)

Cytogenetics: 19 A  
 MW: 55.9 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219124